

1075788 - R8 SDMS

.j6 ₹9 2008

Compliance & Environmental
Justice

ARCADIS
1610 B Street
Suite 100
Helena
Montana 59601
Tel 406.449.7001
Fax 406.449.3063
www.arcadis-us.com

ENVIRONMENT

Date:

August 15, 2008

Contact:

Connie Cole

Phone:

406-449-7001 Ext. 13

Email:

connie.cole@arcadisus.com

Our ref:

MH000980.0001

ARCADIS
Infrastructure, environment, facilities

Ms. Linda Jacobsen
U.S. Environmental Protection Agency
Region 8
1595 Wynkoop St.
Denver, CO 80202-1129

Subject:

Historic Recordation ASARCO East Helena Smelter Demolition

Dear Ms. Jacobsen:

Attached please find two copies of all photos taken during the recent photo documentation task at the ASARCO East Helena Smelter in JPG format. A copy of the photo log indicating the camera frame number, direction of each photo, and description of the photo is attached. A map of the camera position numbers and map correlating building locations with buildings listed on Attachment A are included. All documents are in draft format and have not been finalized.

Sincerely,

**ARCADIS** 

Constance M. Cole Project Manager

Copies:

Denise Kirkpatrick, DEQ, 1 copy Josef Warhank, SHPO, 1 copy Jon Nickel, ASARCO, 1 copy

Constanu M. Cole

# Poor Quality Source Document

The following document images have been scanned from the best available source copy.

To view the actual hard copy, contact the Region VIII Records Center at (303) 312-6473.

Lamera trame # 5 Start at 1

Data#s start at 40.

to convert, add 39 page 1 of

Camera No.: Prents

to camera frame # or

Folder No.:

vice versa.

Riolegi	Famel	eats	ididede-	Direction	કાહિલનકામા			satisfied for the same of the
	40	7/17	8/s/AC	5-56	Photo	Pos	it ion#	Tenen fine plant from Employed from
			1 1		(see	map)		Frank five bridge young transport
			\\			•		SCC. (CH)
<del></del>	41			17 [	R			B.F.F 1 (
	42			5É				off lease of fluc (Occurred)
			<u> </u>	NÉ	3	<del> </del>	<u> </u>	B.F.F UMCYON DENK MUSING CONC.
		,	1	NÉ	4			DG - Millian w/ Compredien To a
	1-5			NE	5			1. F - Led Singa many of - Prior on
	ر نیا		<u> </u>	JE.	5			Fife words if the same since
	47	·	:	J.E.	·			6A adeps.
	48			W-5w	·			EARLY STOCKS THEN SOME CREAT NO. 4
	//9			N	7			LFC
	50		!	NOTO	8			Painstag - watermark
	51	,	<u> </u>	iv-MCC				Pros of 200 Hole
	52		<u> </u>	,	iÇ			corresponding for the at 10 to michagines - tomos
	53	:		W	10			Townsonia & FOFF & Michael Friedlis
	54	:		Now The	N			LAMPLE OF ACID POWE SIZE
	75		,	N	11			1 11 these
	56			7)				Availed 11 - 11 - 11 - 12 - 15-
	57	<del></del>	:	NW	_12			LEONER J. M.F. WHA FIRE KONG TO TOCK
	58		;	د ،	13			Fore Thomas
	59		<u> </u>	E				Acid plan.
	60	<del></del>		5- SE	13			biff + Coins There's
	61		\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	5 500	14			FAN HONC & DISTIBLIEN FOR

Page	1	0
	•.	

Camera No.:	
Folder No :	

Rolea Halve lears	Manage Jaman	් ක්රම්කරන්ස	THE CALL DESCRIPTION
62 7/20	05/2c 5W	5	Stay bolt on Stag of Englosse
63	1 1 W	15	
64		16	CAN HOUSE
65	NE	17	Siconer of Forthorse
66	N-XIE	18	year a figure was freeze ading from
67	E-NE	1 (4)	This trivaling Elds Journations
68	102	19	BIH. 15515 in PIF MARTINETY
69	W.M. vi	. 30	May higherpose of print Plant in , orkow in
70	N	21	Consider stance/ new triport in the
71	1 N- NW	⊋' <b>&amp;</b>	Landon & BAFF.
72/73	. NE	33	IX WALK
14	iN	2-5	Tost of Tarrageaty
75	: NE	~~~	transahr menor
76	Ní Ní	.) 3	Ir, newly exercise
77	: Nie	2.3	Is water where Ocher
7/8	W WW	54	talk execut Evenisher
79	Mich Pilot	- ×	Buildings along extents of B.F.F.
80 1	/ W	76	B.F.F.
81	NW	-14	B.F.F.
82		<i>3</i> 8	Uncleapass of E.F.F
83 N	V N Na)	29	underfase as and of 677
	<u> </u>		

Page 7 of

Camera No.:

Folder No.: Ittimit not it

Ploject	Faire	Dates	inidale	Dination	डाए-० नाइवृधानः 🚁 📴	toatite/	Description
84	1		T	<i>k</i> )	1 (m photomax A)		From Contract Commence of the Contract of the
85				NW	· -		Patro Tesanor Trail
86	1			14.7	2,		Comp. Toplety for
27	}				4-6		Conserve T. J. Have . Mars Songer and
8.5				N -52	4	·	T , age
89				NE.	5		Source of the contraction
90	#			N	10		Constitution - Sund Starting
91	5)!.			И	1		Costa at Thirde
92				<u> </u>			Compa. Rend Hun-
93	بارز			Л	13-14	•	Throng to the to Hand to the
94	51			jiN_	21.		Aur 11/20
45	5/			س پرارن	7.1		RED TOXK Builder Street
96	47			Nin	900		(2) · 23 · 8/6) · 3 · 8
97	. #	···		y 1200	<b>J</b> 9		that and my section
98	<i>i</i> //	i			2,68		former triping a troping
99	ch			118 18	773		Since Store Firm
100	<u>'</u>			N	15		Roll Pane in Sieur
101	<u>u</u> .			14 1410	16		Acid French Father Lidar
102	6.			<u> 10-10                                  </u>	17?		Michael Pipe
103	M:	<del></del>		N	17		1 '
104	if.			<u></u>	(10		Kindina
105	<u></u>			N.U	17	<u> </u>	Line Strong roll !
106	di			_ N	24		Trinste MPC
107	(A)			12 - Sin)	51		Use sundice

Page 1-	of

Camera No.:	
Folder No.:	

शर्वेहला	Frames	ede	idüele.	ग्रह्म होत		Tallited Description
108	6X1	7/37	ES-18c	ریی	2	overned to S. P. De
109	43			(	2.8 (1. 10%)	No received
110	1	-		E	30	Flues entering baghouse
111	1/2			NC	30	Steel Bookwill walk was
112	7.5			NE	30	Looden Rogher Gallaray.  Interveen Bookovics 1 2
113	74 75			N-NW	31	Inbetween Bookowks 1 +2
ich	75			N-NW	3)	
115	716 77			E-SE	31	Fan House / Flue
116	49			E-St	31	
117	70		ļ	E	32	Office / Control Room
118	21			t	32	
119	8			N-NW	33	B/+ BOGHONC 2+3
120				N-140	33	
121	8			SW	33	Blast Furnace Area
122	8			E	33	Blast Furnace Area
127	K			S	33	Fankari + Morner Flue
124	65			W	33	Front of Baghouks, wooden valkway
125	86			NW	33	each of Baghair 2
126	000000000000000000000000000000000000000			E	<i>3</i> 3	Blook Furnall Area
127	88	  - <del></del>		NW	33	Bogharks 142
128	<b>4</b> 49			NW	32	Interior Bognuk 2
12.9	90			NW	37	
130	all			MU	57	
131	94	·		m	58	4

Camera No.:	
Folder No.:	

Project	Fictions:	oate.	intitals.	olt ettor	slteodsoktov.	Foatiled	on another
132	71.		BS/AC	SE	32		South wall Baghase.
33	94			SE	39-		was wall baghour
134	95			WINW	34		Boghanses
135	gi			Sul	34		Fastaisc
136	97			N	34		Caushing Mill
137	9			6	34		Acid Plant
138	94			N-ME	34		Dust + Coment Storage
139	100			SW	35		Back of Brokers of Oat harding
:40	191		ļ	5	36		NOTE Lad Boghark 3
141	167			S	37 38		North And Profess !
142	163			E-SE			Baghney 1
143	iov			NB	39		Out Handling
144	105			E	40		Fan House
145	1			E	40		Fan House Roof Damage
146	107	<u> </u>	ļ	SE	4)		Fan House Intonor / Gelling
147	(48)		ļ	₹.			Interex Flue
142/149	109-110		ļ	₩ E	42		Storner of Fewhole
150				-К	43		Fachouse
151	in the second			_N	43		Fachnix
15 2		<del></del>		Ŋ	<u>43</u>		fashur
		<del></del>		<u>S</u>	44		Come house
54	10			No	45	·	From Aulo shop - Inknor .
155	116			<i>Ν</i> ξ	4.5	·	<u> </u>
156	117			N	45		North wall And Thop

Camera No.:	
Folder No.:	

Rioledi =	Faire	Date:	initials.	Didetion	Slevorisolaten/	इज्याणाच्य	gesed from the second of the s
157	118	7/3.		5	45	E arutact # 1829	South well
158				5	45		Auto Shop Interior  H "A Hached Structure / edution  SE avor and a detail
159	100		ļ	W	96		Auto Shap Thenor
160	/E			5	46		" A Hached Structure / edition
151	102	ļ		S	410		SE menor window detail.
152	123			N	47		Extens back Detail
163	130	ļ	<u> </u>	H-NW	47		Acid Plant
164	135	ļ		S	47		400' Stack
165	131	ļ	ļ <u>.</u>		47		20' sink micro
166	137	<del> </del>	<del> </del>	SE	45		lundau construction detail
167	138	<u> </u>	-	Sin	42	<del>                                     </del>	N Corner, Construction interface
168	iza	<del> </del>	<del> </del>	NE	49		B10 6 6. F. F.
169	130	-	<del> </del>	NE	49		p1 13
	<del> </del>	ļ	<del> </del>			<del> </del>	
	<del> </del>	<del> </del>				-	
	-		<del> </del>				
	<del> </del>	<del> </del>					
		<del> </del>	<del> </del>			-	
		<del> </del>					
		<del> </del>					
		-	<del> </del>	<u> </u>		1	
			<del> </del>			·	
L	<u> </u>	L	1				

Camera No.:	

Folder No.:

Photo Position#

Riofect France Date Initials Director Stephson Description  170 131 NF SO Autoshop  171 172 173	
170 131 BS NE 50 Autoshop	• i
171 1421	
17/2 1/2	
173 184	
174 174	
175 134 137	
177 178 ESE 40 Fan house de+not of with	70 1000
178 1319   E 40	
179 140 N 40 Air receiver #A20)/Bar 180 1410 N 40 Zasm Brehouse 1	TACASE 1
180 1411 N 40 Zam Brehouse 1	
1 181 MALA   NMF   40   Air receiver (#A)-c)	
182 IMA     E   40 Failware add-on	
183 144	
185 146	
186 197	
187 148	
188 N49	
189 150	
190 31	
191 152	
192 IN Promise from 2nd floor do	who fairs
193 194 NNE Fanhouse 2nd Floor up 1.401	-afters

Show: Flue very del

Camera No.:	

Folder No.:

				<b>生物理学</b> 激制的		Foati	173/1100	
		Dates		Direction	SIGOOISOIAGE	artifa	Ger Car	oceanio)
194	145	8 06/02	B S	E		F	<del>                                     </del>	Fanhouse 2nd floor-fan driveshaft + flye
195	15%	· · · · ·		NE		ļ		Fanhouse 3rd floor thru refrers hone is
196	177	<del>                                     </del>		E		<u> </u>		FH flywheel myter 2nd flora
197	162	!		5				Thru South wind, w- Monier flue
198	1/59			5	·			1st floor up star.
199	160		!	SE				Concrete mounts
200	Y: 1		!	NW		\		2nd floor reward addon
201	152	1	;	N		Bag	housel	B41-dec11
202	4/67	3	i	N			1	Baghouselarch
203	164		;	W/up		BH	スセジ	r Bag attornents/complings
204	145	ŧ	1 :	Wup			<u> </u>	1:11
302	166		:	Nup				
206	167	!	1	11/10				
207	i Ge	1	i	N		BH	2 googs	
208	169		!					
209	1710	:						
210	1#1			V		,		
311	1-12	1		\ <sub>V</sub> /	Taken as around	10 10	ei iu.	Strough of Elychia
212	173		:	11			1	
213	17/t		1	W/48	1,			of volkway + E.T.
214	175	:	ì	Ç				Bag "caps" on yantry
215	176	,		۶				
216	142			N				Fanhunce' south forcate
217	17/18	V		N	Into BFFin	fru	nt o	f incinerator

Camera No.:	
Caldes Ne .	

Folder No.:	

	Total Section 1 Acres on				
Project	Frairie	eate	initials,	Direction	Silvorfield   Italian   Description
218	7799	8708	<u> </u>	N	Inc. Profile
219	18/6	1.7		5 1/	Rusty top of Inc. from lodder as Easterd  Inc duors closed
220	18			E	Inc decrealesed
221	124			ENE	BFF rest from Spray Dry Rld. ganery
233	181			ENE-	Down onto BFFrant
223	100			MHM	- Down onto BFFrof Cotrell from "
224	1805			NE	Stack derail from Acid III ant Sich
2,25	186			NWW	Star & derail from
226	1 7			NNW	Acid Illant from
327	185			1/1/	Can House # 7 East Facade
338	18 9			$M_{-}$	- 1111 Shows Door entrance Cy- man North Fr.
230				N	chows Unarered Engage
230	Male			·	Cap detail
231	1/12			MW	
272	143				PHI NIW! Facade/corner
233	MA			E	
234	11/2			E	" North facade
235	196			ENE	" West folkade
	\				

Camera No.:	

Folder No.: Data Camera 井S 井S Attachment A's

<del>-11</del> 3	11.2			341UCTUTE	<del></del>	
Project	ramel	Dates infile	ls Dinicion	Site ortsoletien:	aillagei	DECIPUO)
276	197		N			Blacksmith Interior
237	198		N			,
232	197		$M \setminus H$			
239	260		NE			
240	301		NE			Iblach smith. Flux
ا به به	200					Mort , Founda Blasmin
242			N			WOCH For all all que
242	204		W	@ Painest.	rose Sh	ed sshed rocf, Eldo garage PFF
244	) ) )		N	6	Show	s shed rock, Bldg garage PFF
2,45	206		\v/	6 Interio		V V
246	207		WSM	Co Tintori	c <sub>Y</sub>	
247	208		NM	(5) Paint shell	>	
2.48	204		W	(5)		
249	210		WN N N	Or In+ deta	<u>i)</u>	
250	211		SE	(S) 11 "		
201	115		W	@ Pigel Her	Shed ext	
252	(4) ( )		W	Q Int.		
253	214		M	( With ore	bin	
254	215		S	With ore Ox ext		
255	216		というと	3) BlKsmith	cokeb	ins
256	217		V/1/W	3		
257	218		1.1	* Air +ank	near V	Inter Tunks
2.58	219		N	CO Bins A	-Dle	ft to Right
2.59	J-50		\/\/	60 BinsE	> A Ri	gh++oLef+

1-1671

Page

of

Camera No.:

Folder No.:

				Property and the second	<b>100</b>		a are	Eoatiles/mark	
Kolege	Frame	Date:	initials	Direction	Site	opisolatev	鑁	artifactific	pesentigo)
260	221			Ν	4	-)			Int. Carrener Car
261	222			5					
262	223			<u> </u>		thru do	0	way	Adjacent to Horth Insint actions
263	224			$\sim$				<u>'</u>	Insulation Shop interior
264	227			<b>\</b> \\\\	1				
265	226			$\vee$	(1)	Sand	$\widehat{\Box}$	leer Bl	da Experier Each freade
266	ス入フ			W					· · · · · · · · · · · · · · · · · · ·
267	228			N		į,		1.	South facult Extensor.
262	229			\/ /		•		•	Interior-North 1/2 -W. Tank stpunch
269	7.7,0			171				11	12
270	231			W					Interior - South /2-W-pi- m
271	232			N	10	Aci	1	Plan-C	Ouling Towers Trailer
2.72	75,3					2)			Trailer
2.73	224			N	28	) Gun	n	ite Sta	rune Blda interior
274	235	Fron	n Elisali	la 11-201	(4)	) Acid	1 6	lan+ Sho	P "INSTRUMENT SHOP" interior
275	236	*1	.,	W/	14			1,	iz
276	237	٠.	1.1	W	14	Same di	rd	ctionas	above but UPstains
277	2.3%			W W	1			p inter	
278	239			SW_					
274	240			\M S\M					
380	241			M			$\neg$		
281	242			SE					
282	243			SE					
283	244			ENE		V			

Camera	No.:	

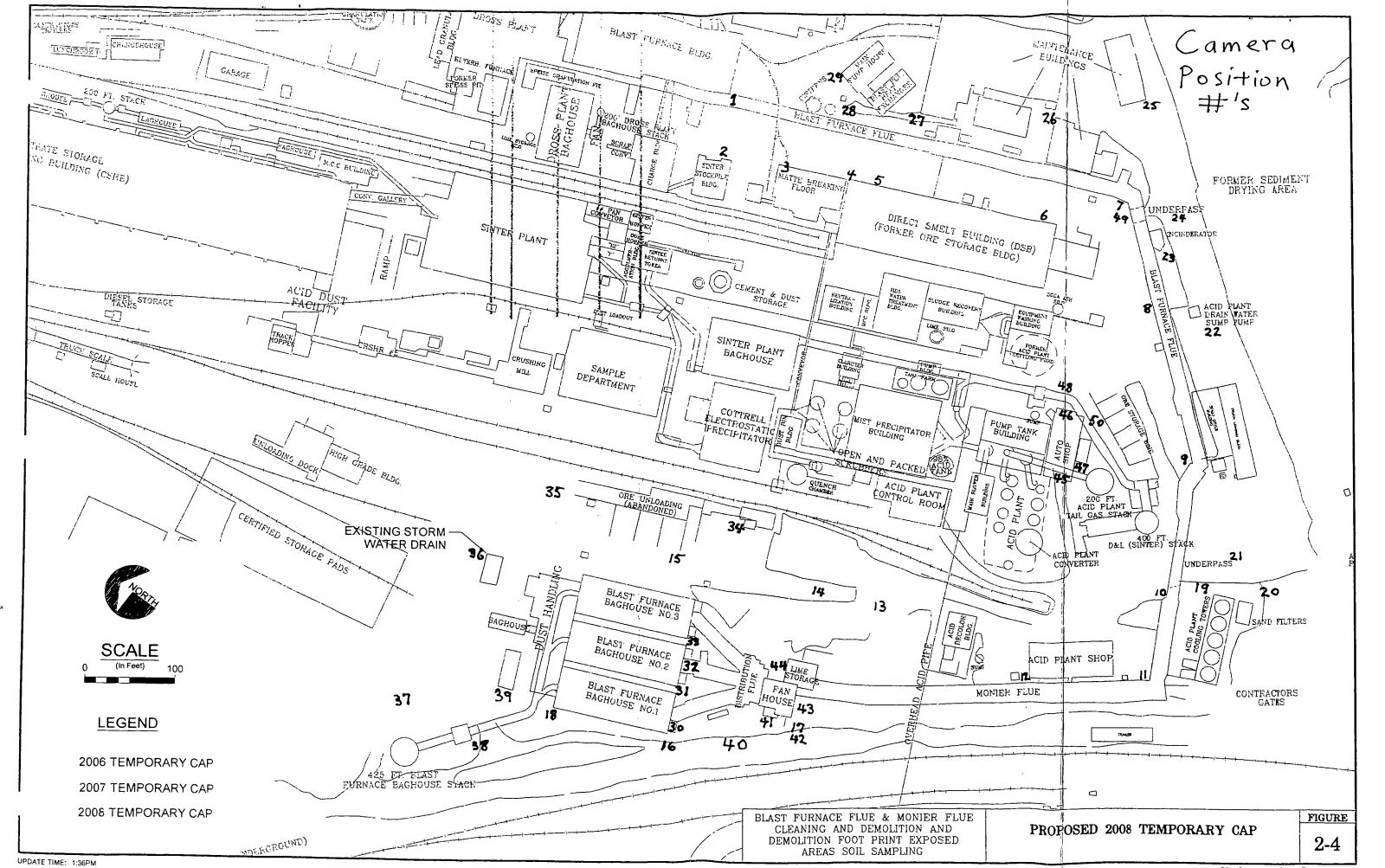
Folder No.:

Riojedi -	France :	ale inities	Dit dibij s	ভাগ্র	disolation:	Focille!	pereviouou
284	245		N		Acid Plant	A S IS	South facade
285	246		W				East racade
286	247		5				Morth facole
287	248		W	(3)	Instrumer	+ sheil	East Sucole
રકુટ	249		1/		,		Interior
289	250		\/\	15)	Acid Ha.	(+ C) 1 34.01 x	Interior left
290	251		W	;			In- riab+
291	252		W	>			East Pacalé
2.92	253		E S	(20)	•	2 10/21 TO	
2,93	254		5		Plksmit	4 int	
294	255		V/J		LAME TO	15	
295	3.5%		11		interio	·e	
296	257		11		Exter	4	
297	258		[5]		1 Ing de		
292	2:9		NE	(29)		a as Place	
299	26 c		3 E	20	Sinter	24 4	ens Norra Side
300	261		E	12-1		,, : ,	From week by Auttinip
301	262			(1)	Dyey no	ad coch	
302	252		11/2/1		<u> </u>	<del> </del>	
303	264		E		Acid Plan	<del></del>	
304	265		(	23 E	YN. MOW CAG	<u> </u>	from Gan-ry
305	266		IE.	( ) (	Over Ven+	Pive -	Frahmill from Garage
706	267			1. J. [1.	به له بهارا	111. 3	From Gantry
207	260		<u></u>	<u></u>		11+1010	Int down garage

Camera No.:	Page
Folder No.:	

Project -	Fame	Date:	intude a	olio Gion	કોલિ-ભાઈની લાક	Forturd at the fort	0esan0000
308	269			SE	(2) Overhead V	entilation	n pipe - Baghouses from Gantry  Ida interior
309	270			NE	Dust han	dlina B	Vda inverse
						ر	
	ļ	ļ					
		ļ		<del></del>			
			1				
						<u></u>	
	<del> </del>						
	<del> </del>			<del></del>			
		-					
	<del> </del>						
						· <del>- · · · · · · · · · · · · · · · · · ·</del>	
						·	

of

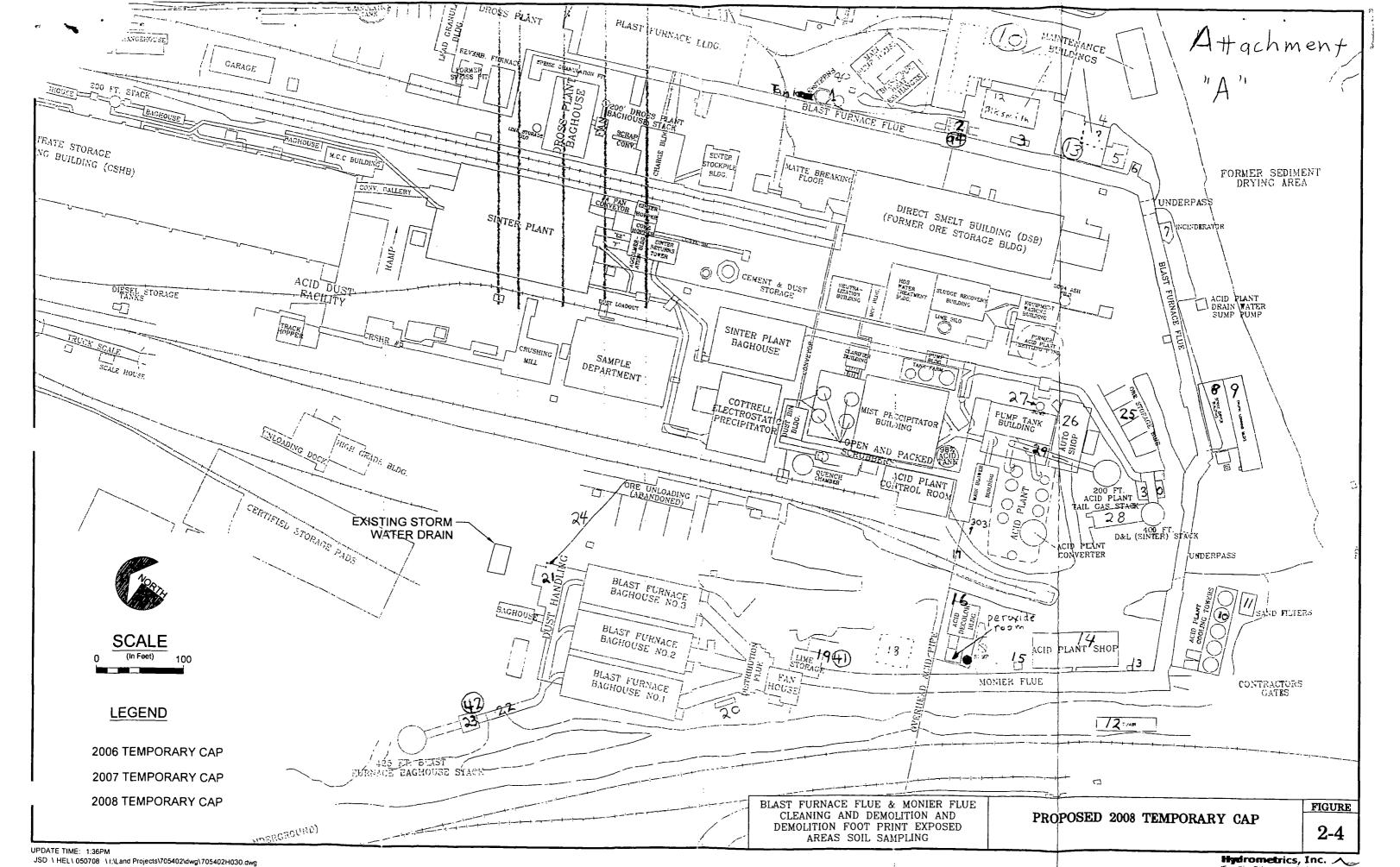


#### Attachment A

Pictures have been taken of ALL these structures/facilities.

Adjacent or adjoining structures that are likely to be affected by cleaning and demolition (see Figure A.1)

- Blast furnace cooling water return tanks- These provided the blast furnaces with a source of constantly circulating water to cool the jacket walls. The ones here, painted blue, are relatively modern. No real ASARCO data found. Photographed and measured
- 2. Pipefitter storage shed- Probably 1960's in origin? No ASARCO plans or data found **Photographed and floor plan drawn**
- 3. blacksmith coke storage bin-Very little or no ASARCO data to find for these type of things **Photographed and floor plan drawn**
- 4. carpenter shop- 1949 with additions from the 1960's, Four ASARCO plan drawings pulled for digitizing
- former paint shop-No ASARCO data found Photographed and floor plan drawn
- 6. former paint storage shed-No ASARCO data found Photographed and floor plan drawn
- 7. incinerator-No ASARCO data, Thoroughly photo-documented, field notes taken
- 8. spray drier building with fan and stack-Brand new, never used **Engineer plans pulled**, **Photographed**
- 9. truck unloading building-Brand new, never used Engineer plans pulled, Photographed
- 10. Acid plant cooling towers with chemical storage tanks-Acid plant is Mid-1970s, one ASARCO plan pulled for digitizing; some plans may still be in Engineering building. Photographed
- 11. sand filter building-New Photographed and floor plan drawn
- 12. contractor trailer- New Photographed and measured
- 13. instrument storage shed-No ASARCO data found Photographed and floor plan drawn
- 14. acid plant shop- No ASARCO data found Photographed and floor plan drawn
- 15. acid plant oil shed- No ASARCO data found Photographed and floor plan drawn
- 16. acid decolorization building with sump- 1980s Engineer plans pulled, Photographed and notes
- 17. overhead acid pipe rack from Monier flue to pump tank building-1970s Photographed and notes
- 18. Ringling dust building-New To be dismantled and moved. Call Helena Insulation re: Coverall Bldgs. 406-443 4353
- 19. lime storage building- At least one ASARCO drawing pulled, Photographed
- 20. air receiver- Old, but no real ASARCO data found Photographed and measured
- 21. dust handling system with baghouse-1980s Engineer plans pulled, Photographed
- 22. overhead ventilation pipe 1980s Photographed and notes
- 23. emission monitoring station with support/stack fan- 1980s Engineer plans pulled, Photographed
- 24. overhead dust handling pneumatic transfer pipe-1980s Photographed and notes
- 25. ore storage bins- No ASARCO data found Photographed and measuring notes
- auto shop-Cottrell building, 1917, Original engineer plans pulled, Floor plan drawn in field with notes of building revisions
- 27. pump tank building sump-Mid-1970s Engineer plans pulled, Photographed
- 28. former gunnite storage building- No ASARCO data found Photographed and measured
- 29. weak gas handling flue-Mid-1970s Photographed and notes
- 30. sinter stack fan-1980s Engineer plans pulled, Photographed



### **TARGET SHEET**

#### **EPA REGION VIII**

#### SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 1075788

	_	<del></del>
SI	TE NAME:	EAST HELENA RCRA CORRECTIVE ACTION
D	OCUMENT DATE:	08/15/2008
Dı	ue to one of the fol	DOCUMENT NOT SCANNED lowing reasons:
	PHOTOGRAPHS	
	3-DIMENSIONAL	
	OVERSIZED	
V	AUDIO/VISUAL	
	PERMANENTLY E	BOUND DOCUMENTS
	POOR LEGIBILIT	Y
	OTHER	
	NOT AVAILABLE	
		MENTS NOT TO BE SCANNED Data Validation, Sampling Data, CBI, Chain of Custody)
DO	DCUMENT DESCR	IPTION:
	2 CDs - PHOTO D	OCUMENTATION, DISKS 1 AND 2

## FedEx First Overnight®

147918 9/04 MW/I

## FedEx First Overnight®

Page 1 of 1

From: Origin ID: HLNA (406)449-7001 Keith Smith **ARCADIS** 1610 B STREET

**HELENA, MT 59601** 

SHIP TO: 3033126503

**BILL THIRD PARTY** 

Linda Jacobsen **Environmental Protection Agency** Region 8 1595 Wynkoop St. **Denver, CO 802021129** 



Fedex.

Ship Date: 18AUG08 ActWgt: 1 LB System#: 2759753/INET8061 Account#: S \*\*\*\*\*\*\*\*\*

Delivery Address Bar Code

MH000980,0001 Invoice # PO# Dept#



0201

7984 9723 1500

**TUE - 19AUG A1 FIRST OVERNIGHT** 

80202

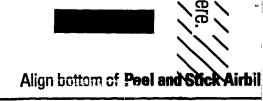
CO-US

**DEN** 

X1 TEXA



© 2005 FedEx 158396 REV 4/05 BP 01345-0608



\* Shipme

147918 9/04 MWI